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COMMUNICATIONS
SYSTEM

The Horizon® Communications System...

is more than its sophisticated hardware...sleek electronic phones, multi-button phones with face plates in decorator colors; more than fashion-styled attendant consoles, more than a single compact cabinet housing the plug-in units of space-age circuitry.

The very shapes of the system's components suggest a communications state-of-mind. They speak of contemporary companies, responsive institutions...flexible organizations. They suggest functions programmed to solve problems, to create opportunities for growing businesses, expanding businesses...for people... people with total communications capabilities on their minds.

And the Horizon Communications System is something else...something that has nothing to do with the appearances of things and everything to do with the value of something. For today's communications-decision-makers all share one thing in common. They all ask incisive questions.

How will a device, a service or system use time more effectively? Increase productivity? Provide better service? Respond to the changing needs of clients or customers? Make or save money?

Like any quality product, the basic Horizon Communications System was designed and engineered to provide value-driven answers to basic needs...answers to eliminating lost calls and busy signals, to restricting unauthorized local and long-distance usage, to enable busy executives to place their own conference calls with the press of a button...answers to transferring calls without an attendant, to locating staff members more quickly...capabilities like having instant internal communications, paging, a direct personal access line and a host of other features to aid the business of doing business.

Like all revolutionary products, the Horizon Communications System has exciting services. For example, at your request, a telephone craftsperson using a portable Service Access Unit can change the course of your communications system: add, change, rearrange or delete features on each telephone; reassign existing phones without wiring changes, change the number of extensions as you wish. And all adjustments are made with minimum disruptions and maximum savings...for you.

An Action Packet has been included in this brochure.
It contains the Horizon Communications System's:

- Features, options and capabilities,
- An overview of organizations, such as yours, with feature-solutions to general problems and needs,
- A more specific review of your particular requirements, and
- A technical summary.

We urge you to read its contents. And we invite you to do one more thing. Ask your communications account executive for a demonstration of the Horizon Communications System. No printed words or pictures will ever convey the excitement or potential of this breakthrough in communicating.

New electronic phones, new attendant consoles; yet, a flexible system . . . new enough to include space-age features with the traditional advantages of TOUCH-TONE® calling.

The Horizon® Communications System

The Customer Access Unit

This optional feature in the Horizon Communications System enables YOU to command the course of your communications. By simply tapping in a few codes, you can add, change, rearrange or delete features of each telephone; reassign existing phones without wiring changes and change extension numbers as you wish.

And you don't need to call your telephone company to do it.

The Customer Access Unit lets you do it. A simple, step-by-step manual explains how to change your communications program as your needs change. You don't have to have a technical background to understand or use the manual. Keyed commands tell how to tailor the system to your needs. All adjustments are made with minimum disruptions and maximum savings... for you.

Your communications account executive will be glad to give you full details on the Customer Access Unit... how it might serve your organization, its charges, its cost advantages and its potential savings.

Three elements: a simple book of instructions, a Customer Access Unit, a miniature tape... all provide one large advantage. You can shape the course of your communications.

The Horizon® Communications System

Features at Your Fingertips

The Horizon Communications System is designed to serve customers with up to 79 phones...incorporating all the functions of Key Telephone Systems with custom calling features of larger PBXs.

The system achieves its full-feature capacity with Multi-button Electronic Telephone Sets...METs. METs have 10 buttons – four with fixed uses: one for HOLD, one for transferring and conferencing calls without going through an attendant and two for system access to make or receive calls. The other six serve any of the system's host of features.

METs have electronic tone signals instead of a bell. Tones distinguish outside from inside calls. Using light emitting diodes, the sets automatically show what's happening in your system. The lights are located next to each button...green indicating what lines are busy, ringing or on HOLD; red showing which line you're connected to when making a call.

If your office requires a receptionist or attendant, the Horizon Communications System offers central answering positions...30-or-40-button sets permitting attendants to answer incoming calls, transfer incoming calls, originate outgoing calls, originate and receive intercom calls and automatically receive back a call forwarded to an extension that did not answer.

A 40-or-80-button console can be used with a central answering position so any extension can be reached by the touch of a single button.

An array of consoles, a single MET set, light emitting diodes . . . features illuminating a revolution in communicating, a fresh way to shape the course and character of doing business.
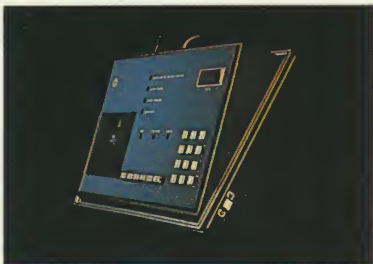
Hello! Electronic phones . . . the new way to respond to customers and clients. Service Access Units to save wiring changes when your needs and wishes change. With the press of a button, a new world of communications is at your fingertips.

Basic Capabilities That Count

The prompt response to phone calls is a hallmark of successful organizations. Busy signals, lost calls . . . lost opportunities can be unpleasantries of the past. MET sets can be programmed to forward calls to other extensions . . . after a few rings, or instructed to forward calls immediately without first "trying" the called number.

"Coverage" buttons are also part of the system design. One extension can be made responsible for answering another's calls by simply identifying incoming calls as "pick ups." Or separate coverage buttons can be programmed for different staff members, or a single button for a group.

Misdirected or ongoing calls can be swiftly transferred by MET users without an attendant . . . a service that says a lot about how you do business and the business image of your organization.

Saving money means making money. Unauthorized calls cost you. The Horizon Communications System can be programmed to restrict specific phones from making long-distance and local calls, or from using WATS lines.

Phone conferences are bread-and-butter items in today's business world. This system feature enables as many as five parties (two can be on outside lines) to speak together on one call . . . without going through an attendant.

Call someone frequently within the office? You simply press a button to reach them. No dialing is necessary, no codes to remember.

Your own personal access line allows calls from people – only those you give your number – to ring you directly without requiring attendant assistance.

Paging . . . just by touching a button and dialing you can activate your paging system so staff members can be located when away from their desks.

Efficient operations call for minimum service interruptions. Continuing maintenance checks on the basic Horizon Communications System are being made while the system is in operation . . . by the system itself. If you require changes in your system, your telephone representative has all your programmed features stored in a portable Service Access Unit. Changes can be made with minimum effort in minimum time.

The Horizon® Communications System

Technical Summary

General Description	The Horizon Communications System is a microprocessor controlled system utilizing stored program control and a combination of modern Multi-button Electronic Telephone (MET) sets and standard single line TOUCH-TONE sets.
	This new communications system is aimed at the under 80 station market and offers features & services not previously available to small business customers. It has a capacity of up to 32 lines and 79 stations. Any line may be a regular central office, PBX, WATS, FX, private line, or tie line.
	Unlike other systems, the generic programs are non-volatile; no time consuming reprogramming is necessary in the event of a power failure. Loss of station data is prevented by the stand-by battery should power fail.
	The following is a list of features provided by the Horizon Communications System:
Standard System Features	Abbreviated Ring (MET Set only) Distinctive Permanent Signal Treatment (MET Set only) Hold and Conference Release on Abandon Immediate Ringing (MET Set only) Intercept Treatment with Reorder Tone Multilink Intercom with Privacy Pooled Facilities – Dial Access Power Failure Transfer System Alarm Indication Through Dialing Timing Option on Call Coverage on Don't Answer TOUCH-TONE® Calling TOUCH-TONE to Dial Pulse Conversion Two-Digit Intercom Dialing
Optional System Features **(Requires Additional Hardware)**	Central Answering Position Dial Dictation Access External Alert Access Loudspeaker Paging Access Music on Hold Access Off Premises Stations Supplementary Answering Position Tie Lines to other PBX's
Standard Station Features **Available with MET Sets**	Call Waiting Indication CO – ICM Conference Dial Access to Attendant Distinctive Alert Hold I-Use Indication Compatible with Speakerphone and TOUCH-A-MATIC® Dialer Line Status Indication Per Call Ringer Cutoff Preselection Recall Button Station Call Transfer Station-to-Station Calling Tone Ringing
Features Programmed for **Individual Available MET Buttons**	Automatic Intercom with Station Busy Indication Call Coverage - Receiver Call Coverage - Send Ring All Calls Facilities Busy Indication Manual Exclusion Manual Signaling System Access - Originate only Personal Line Access Pooled Facilities - Access Station DSS with Station Busy Indication Station Message Waiting

Non-Button MET Features	Call Coverage on Busy Call Coverage on Don't Answer Outward Restriction Prime Line Preference Compatible with Speakerphone and TOUCH-A-MATIC Dialer Ringing Line Preference Toll Restriction (requires circuit pack)
Features Available with Single Line Push-Button Sets	Call Coverage Call Coverage and Don't Answer Compatible with Speakerphone and TOUCH-A-MATIC Dialer Dial Access to Attendant Outward Restriction Station-to-Station Calling Toll Restriction (requires circuit pack)
Standard Answering Position Features	Attendant Call Transfer Automatic Release Cancel Manual Release Return Coverage on Don't Answer Splitting-One Way Automatic Features Programmable on Available Button Any MET Set Feature Plus Night Service - Answer Any Station Position Busy Optional Attendant Station Selector Console • Direct Station Selection • Message Waiting • Station Busy
System Characteristics	Capacity • 32 lines (Central Office, PBX, WATS, Private Line, FX or Tie Line) 79 stations, of which 59 may be Multi-button Electronic Telephone Sets Traffic • 500 CCS/BH at a P.01 Blocking Cabinet • Floor supported, 27 inches wide, 43 inches high 21 inches deep. Requires 30 inches of space in front and left side. Weight 339 lbs. fully loaded. Network • Space division switching utilizing 24 link diode matrix. Service • TOUCH-TONE service-Dial-Pulse conversion is standard when served by rotary central office. Power Requirements • Standard, 3-prong, commercial 115 volt, 60 Hz power outlet fused for 15 amperes. Stand-By-Battery • Four day memory retention in case of power failure. Loop Range • MET set 1000 feet, single line type 2000 feet. Ringing Tone • Internal call 1500 Hz. outside call 750 Hz. Cabling • 4-pair wiring to all sets. Maintenance • On-line maintenance routines are executed automatically during normal system operation. LED indicators provide trouble indication. Environmental Considerations Floor capable of supporting a weight of 94 pounds per square foot. No equipment generating RF interference in vicinity. Not subject to extreme temperatures. Attendant Position and Console 30- or 40-button Central Answering Position 40- or 80-button Console Customer Access Unit • provides capabilities to the customer for reconfiguring features of the system.

30-button central answering position.

**The system
is the solution.**